

10/532426

JC12 Re PCT/PTC 22 APR 2005

1/1

SEQUENCE LISTING

<110> Rosenberg, Lawrence

<120> USE OF INGAP FOR REVERSING DIABETES

<130> 1912-0308PUS1

<140> PCT/CA03/01635

<141> 2003-10-24

<150> US 60/420,677

<151> 2002-10-24

<160> 2

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 174

<212> PRT

<213> Artificial sequence

<220>

<223> Islet Neogenesis Associated protein (INGAP)

<400> 1

| | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Met | Leu | Pro | Met | Thr | Leu | Cys | Arg | Met | Ser | Trp | Met | Leu | Leu | Ser | Cys |
| 1 | | | | 5 | | | | | 10 | | | | | 15 | |
| Leu | Met | Phe | Leu | Ser | Trp | Val | Glu | Gly | Glu | Glu | Ser | Gln | Lys | Lys | Leu |
| | | | 20 | | | | | 25 | | | | | 30 | | |
| Pro | Ser | Ser | Arg | Ile | Thr | Cys | Pro | Gln | Gly | Ser | Val | Ala | Tyr | Gly | Ser |
| | | 35 | | | | | 40 | | | | | 45 | | | |
| Tyr | Cys | Tyr | Ser | Leu | Ile | Leu | Ile | Pro | Gln | Thr | Trp | Ser | Asn | Ala | Glu |
| | 50 | | | | 55 | | | | | 60 | | | | | |
| Leu | Ser | Cys | Gln | Met | His | Phe | Ser | Gly | His | Leu | Ala | Phe | Leu | Leu | Ser |
| 65 | | | | 70 | | | | | 75 | | | | | 80 | |
| Thr | Gly | Glu | Ile | Thr | Phe | Val | Ser | Ser | Leu | Val | Lys | Asn | Ser | Leu | Thr |
| | | | 85 | | | | | 90 | | | | | 95 | | |
| Ala | Tyr | Gln | Tyr | Ile | Trp | Ile | Gly | Leu | His | Asp | Pro | Ser | His | Gly | Thr |
| | | | 100 | | | | 105 | | | | | | 110 | | |
| Leu | Pro | Asn | Gly | Ser | Gly | Trp | Lys | Trp | Ser | Ser | Ser | Asn | Val | Leu | Thr |
| | | 115 | | | | 120 | | | | | | 125 | | | |
| Phe | Tyr | Asn | Trp | Glu | Arg | Asn | Pro | Ser | Ile | Ala | Ala | Asp | Arg | Gly | Tyr |
| | 130 | | | | | 135 | | | | 140 | | | | | |
| Cys | Ala | Val | Leu | Ser | Gln | Lys | Ser | Gly | Phe | Gln | Lys | Trp | Arg | Asp | Phe |
| 145 | | | | 150 | | | | | 155 | | | | | 160 | |
| Asn | Cys | Glu | Asn | Glu | Leu | Pro | Tyr | Ile | Cys | Lys | Phe | Lys | Val | | |
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<210> 2

<211> 15

<212> PRT

<213> Artificial sequence-

<220>

<223> INGAP peptide

<400> 2

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| Gly | Leu | His | Asp | Pro | Ser | His | Gly | Thr | Leu | Pro | Asn | Gly | Ser | Gly |
| 1 | | | | 5 | | | | | 10 | | | | | 15 |